

# Converting Colors

$Yxy(38.0409, 0.3885, 0.2602)$

Have a look what the booklet for  
Yxy(38.0409, 0.3885, 0.2602)  
contains.

<b>Yxy(38.0415, 0.3885, 0.2602)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(38.0415, 0.3885, 0.2602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF77BB
RGB	255, 119, 187
RGB Percent	100%, 47%, 73%
CMY	0.0001, 0.5332, 0.2667
CMYK	0.00, 0.53, 0.27, 0.00
HSL	330°, 100%, 73%
HSV	330°, 53%, 100%
XYZ	56.7991, 38.0415, 51.3604
YIQ	167.4160, 59.2280, 49.9800

# Conversions

## Conversions Part 2

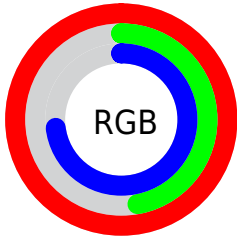
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 119, 187
Decimal	16742331
CIE <sub>Lab</sub>	68.05, 58.86, -10.77
CIE <sub>LCh</sub>	68, 59.839, 349.630
Yxy	38.0415, 0.3885, 0.2602
Android (android.graphics.Color)	4294932411 (0xFFFF77BB)
YUV	167.4160, 9.6549, 76.8112
Hunter-Lab	61.6778, 56.4445, -6.1976

# Details

The Yxy color **38.0415, 0.3885, 0.2602** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.0160, 0.2742, 0.4140**, and the grayscale version is **38.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3910, 0.3257, 0.2614**, and **16.8783, 0.4097, 0.2419** is the 20% darker color. If you saturate the color by 10%, you get **32.2431, 0.4107, 0.2505**, and if you desaturate by 10%, it is **45.5198, 0.3688, 0.2722**.

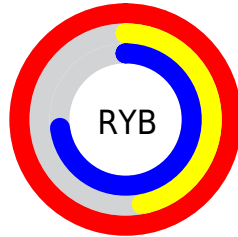
# Distribution



Red (100%)

Green (47%)

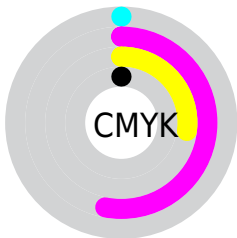
Blue (73%)



Red (100%)

Yellow (47%)

Blue (73%)

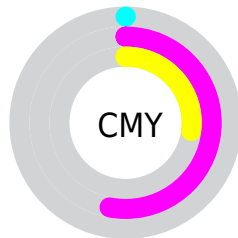


Cyan (0%)

Magenta (53%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0415, 0.3885, 0.2602 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.0415, 0.3885, 0.2602 by changing the saturation by 10% instead.





 38.0415, 0.3885,  
0.2602


 38.0415, 0.3885,  
0.2602


337.7980, 0.3504,  
0.2939

 26.0149, 0.3980,  
0.2520


 72.1717, 0.3746,  
0.2723

 16.8348, 0.4103,  
0.2417


 95.0442, 0.3694,  
0.2768

 10.1168, 0.4265,  
0.2283


 122.3007, 0.3650,  
0.2807

 5.4764, 0.4491,  
0.2102

154.3256, 0.3613,  
0.2841

 2.5294, 0.4824,  
0.1845

191.5034, 0.3580,  
0.2870

 0.8913, 0.5355,  
0.1462

234.2185, 0.3551,

 0.0000, 0.7143,

0.2896

0.0000

282.8552, 0.3526,  
0.2919

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

38.0415, 0.3885,  
0.2602

38.0415, 0.3885,  
0.2602

32.2431, 0.4107,  
0.2505

45.5198, 0.3688,  
0.2722

27.9843, 0.4348,  
0.2444


54.7921, 0.3519,  
0.2854


25.1113, 0.4598,  
0.2432

65.9690, 0.3375,  
0.2989

23.4348, 0.4844,  
0.2474

79.1507, 0.3256,  
0.3122

 22.8000, 0.5001,  
0.2529

 94.4301, 0.3156,  
0.3250

99.9952, 0.3127,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0415, 0.2966, 0.2187



38.0415, 0.3885, 0.2602



38.0415, 0.4638, 0.3162

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0415, 0.3885, 0.2602



38.0415, 0.3908, 0.4880



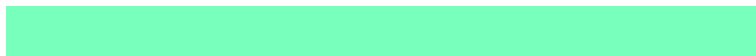
38.0415, 0.1631, 0.2409

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.0415, 0.3885, 0.2602



79.0160, 0.2742, 0.4140

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.0415, 0.1800, 0.3145



38.0415, 0.3885, 0.2602



38.0415, 0.3078, 0.4847

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.0415, 0.3885, 0.2602



38.0415, 0.4580, 0.4413



38.0415, 0.2305, 0.4129



38.0415, 0.1773, 0.2043



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0415, 0.3885, 0.2602



38.0415, 0.4868, 0.3576



38.0415, 0.2305, 0.4129



38.0415, 0.1651, 0.2613

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.0434, 0.3885, 0.2602



75.4294, 0.3286, 0.3087



30.9839, 0.2590, 0.1777



15.5525, 0.3310, 0.3060



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0434, 0.3885, 0.2602



31.9121, 0.4123, 0.2500



35.7883, 0.4710, 0.3295



18.1386, 0.3215, 0.3172



11.9463, 0.4965, 0.2509



1.1852, 0.4710, 0.2368



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.0434, 0.3885, 0.2602



31.9121, 0.4123, 0.2500



82.6462, 0.2443, 0.3288



18.1386, 0.3215, 0.3172



11.9463, 0.4965, 0.2509

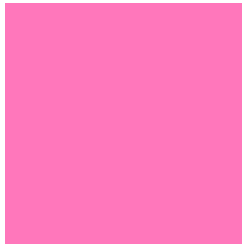


1.1852, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 38.0415, 0.3885, 0.2602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

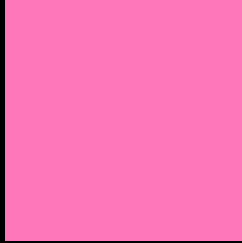
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.0415, 0.3885, 0.2602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

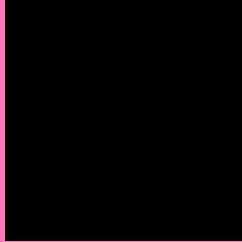
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 38.0415, 0.3885, 0.2602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.0415, 0.3885, 0.2602.

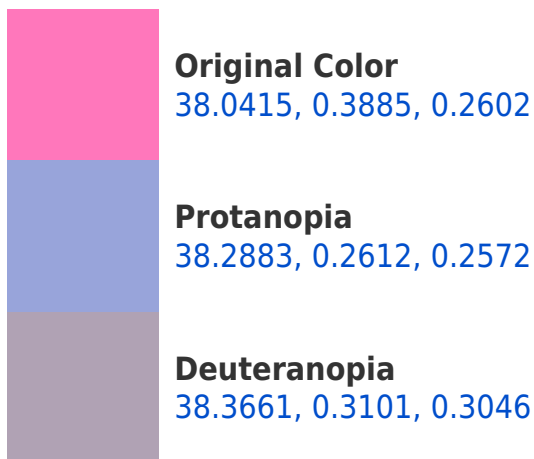


This preview shows how white text looks on a background with the Yxy color 38.0415, 0.3885, 0.2602.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

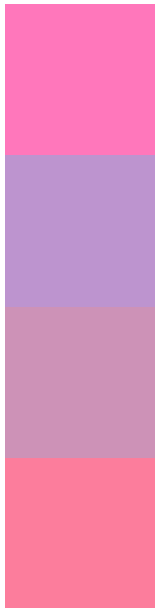




## Tritanopia

38.0447, 0.4392, 0.3200

# Trichromacy



**Original Color**

38.0415, 0.3885, 0.2602

**Protanomaly**

36.5036, 0.2992, 0.2550

**Deuteranomaly**

36.9558, 0.3370, 0.2830

**Tritanomaly**

37.7630, 0.4205, 0.2970

# Monochromacy



**Original Color**

38.0415, 0.3885, 0.2602

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

37.0108, 0.3393, 0.2983

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0415, 0.3885, 0.2602 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0415, 0.3885, 0.2602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 119, 187) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 119, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0415, 0.3885, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
119, 187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor